

PROPOSAL EVALUATION

Proposition 1E Integrated Regional Water Management (IRWM) Grant Program *Stormwater Flood Management Grant, Round 2, 2013*

Applicant	Town of San Anselmo	Amount Requested	\$8,720,500
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Proposal Title	Memorial Park Detention Basin Project	Total Proposal Cost	\$17,441,000
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PROJECT SUMMARY

The project is located in the Town of San Anselmo. The project will lower the existing grade at Memorial Park (Park) to create a stormwater detention basin and improve existing stormwater conveyance facilities to provide flood protection for one in hundred year storm event. The project will create a subsurface drainage structure to retain stormwater. The stormwater will be used for irrigation at the Park. Finally, the project will restore a creek that flows through the Park, and rehabilitate the existing recreation areas at the Park.

PROPOSAL SCORE

Criteria	Score/ Max. Possible	Criteria	Score/ Max. Possible
Work Plan	15/15	Technical Justification	10/10
Budget	4/5		
Schedule	4/5	Benefits and Cost Analysis	18/30
Monitoring, Assessment, and Performance Measures	3/5	Program Preferences	7/10
Total Score (max. possible = 80)			61

EVALUATION SUMMARY

WORK PLAN

This criterion is fully addressed and supported by complete and well-presented documentation and logical rationale. This application includes one project that comprises four elements all of which are linked geographically, functionally and institutionally. All elements included in the project are at the 30% concept design stage. Several maps displayed in the proposal show the relative project location. The tasks include appropriate deliverables and reporting submittals. Each of the four project elements are described including design explanation, estimated construction costs, engineering design specifications, scientific and technical documentation along with maps, and imagery. The scientific and technical information supports the feasibility of each element within this project. The work plan includes data management and

monitoring deliverables consistent with the 2012 IRWMP standards. This project will improve water supply, water quality, ecosystem, and recreation and public access.

BUDGET

The proposal includes detailed cost information as described in Attachment 4 and the costs are considered reasonable but not all costs are supported by thorough documentation. The total project cost on the summary sheet includes an additional 20 percent contingency. The 20 percent contingency is not included in the detailed budget table. The contingency is included to allow for additional costs that may arise as design, currently at 30%, reaches completion; this could be a reasonable assumption but results in greater uncertainty regarding the overall budget.

SCHEDULE

The criterion is consistent with the work plan and budget, and demonstrates a readiness to begin construction by October, 2015. Construction is scheduled to begin in July of 2015 and will last one year. Permitting and CEQA tasks will start in August 2013.

MONITORING, ASSESSMENT, AND PERFORMANCE MEASURES

The criterion is less than fully addressed and documentation is incomplete. The proposal provides clear discussion of the goals, desired outcomes, performance indicators, and generally appropriate measurement tools; however, numeric or quantitative targets are only provided for flood damage reduction. The applicant does provide numeric targets for other physical claimed elsewhere in the proposal.

TECHNICAL JUSTIFICATION

The criterion is fully addressed and supported by thorough and well-presented documentation and logical rationale. The applicant provided information that clearly identifies and describes the physical benefits of the proposed project. Detailed narrative, charts, and tables (page 6 to 9) provide technical justification for “with and without” project conditions, measuring the physical benefits of the proposed projects. The technical analysis is appropriate and justified based on the size of the project and the type of the benefits claimed. Further technical analysis, including hydraulic modeling and floodplain mapping, is provided.

BENEFITS AND COSTS ANALYSIS

Collectively, the proposal is likely to provide a medium level of benefits in relationship to cost and this finding is supported by detailed, high quality analysis, and is clear and complete. The net present value (NPV) of costs is \$16.15 million. Flood damage reduction measurement is accomplished using detailed simulation for 7 hydrologic events for with and without-project conditions. Estimated annual damage (EAD) reduction is calculated to be \$1.18 million or \$14.7 million in NPV terms. EAD appears to be calculated correctly. Water supply benefits are 6.85 AFY. This supply is valued using “the current average annual purchase cost” from the town of San Anselmo that works out to be \$2,026 per AF. This unit value seems high, but the NPV of \$173,300 is a small fraction of the total project benefit. Ecosystem, recreation and public access benefits are monetized by the method of hedonic values; nearby property values are forecast to increase 5 percent because of the improvements. It is not clear if this is a reasonable assumption but this benefit is also not a large share of all monetized benefits.

The NPV of total monetized benefits (\$16.4 million) is forecast to just exceed costs (\$16.15 million).

PROGRAM PREFERENCES

Applicant claims that 2 program preferences and 5 statewide priorities will be met with this project implementation. The applicant demonstrates this with a high degree of certainty, and adequately documents the magnitude and breadth to which each will be achieved for all 7 of the preferences claimed. The proposal will achieve the following: 1) Include regional projects or programs; 2) Effectively resolve significant water-related conflicts within or between regions; 3) Drought Preparedness; 4) Use and Reuse Water More Efficiently; 5) Expand Environmental Stewardship; 6) Practice Integrated Flood Management; and 7) Protect Surface Water and Ground Quality